

credit squeeze, a demand recession in the market, etc.

(e) Government has brought out a statement on Industrial Policy which was tabled in the Lok Sabha on 24th July, 1991. The New Industrial Policy is aimed at improving industrial production by relaxing controls and removing bureaucratic delays. Many policy measures announced in the Union Budget for 1992-93 are designed to promote industrial growth. Thus, measures like partial convertibility of the rupee, reduction of duties on capital goods, and elimination of import licensing except for a small negative list, etc. would facilitate easier availability of raw materials, components, etc. while measures like reduction in statutory liquidity ratio and reduction in interest rate would facilitate easier availability of funds at lower cost for industrial development.

[English]

Research on Super Conductivity

4603. SHRI RADHIKA RANJAN PRAMANIK: Will the PRIME MINISTER be pleased to state:

(a) the achievements made so far in the research of super-conductivity by Indian Institute of Science at Bangalore;

(b) the fields where the super conductivity technology is being used; and

(c) the expenditure so far involved on the research on super-conductivity and since when the research is going on?

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA): (a) The Indian Institute of Science, Bangalore has discovered several new series of superconductors and also novel methods of characterization. Some

of these superconductors have unusual structural features which have caught the attention of the world community. The Institute has also carried out considerable work on super-conducting films. Research is going on in full swing, on various aspects of high temperature superconductivity at the Institute.

(b) The superconductivity technology products are being used in high field magnets for laboratory research use in high field magnets for laboratory research use, medical diagnostic and other scientific research, high gradient magnetic ore separation, SQUID sensors for detection of weak magnetic fields, primary voltage standards, other sensors, electronic/electrical and micro-wave applications, for power generation and storage etc.

(c) Research in Superconductivity in the National Super-conductivity Programme (NSP) had been initiated in Financial Year 1988-89.

Financial released made in NSP in the duration 1988-91 is about Rs. 33 crores (Rupees Thirty three crores), covering 34 institutions.

Achievements in Fibre Technology

4604. SHRI RADHIKA RANJAN PRAMANIK: Will the PRIME MINISTER be pleased to state:

(a) The latest achievements made in the field of carbon fibre technology by the National Aeronauticals Laboratory, Bangalore;

(b) the country from which the carbon fibre is being imported at present and the amount spend so far on this acceding; and

(c) the details of the future programme to develop this technology in our country?

THE PRIME MINISTER (SHRI P. V. NARRASIMHA RAO): (a) The following components have been developed at the National Aeronautical Laboratory (NAL), Bangalore, utilising carbon fibre composite material:

- Rudder for Mig-21 aircraft
- Rudder for Do-228 aircraft

An advanced composite Technology Facility has also been set up at NAL.

(b) NAL has import Carbon Fibre from France at an estimated cost of around Rs. 25 lacs.

(c) NAL has plants to develop (i) Rudder for Light Combat Aircraft, (ii) Fin for Light Combat Aircraft utilising carbon fibre composite material.

National Physical Laboratory (NAL), another establishment of Council of Scientific and Industrial Research (CSIR), has plans to develop High Performance Carbon Fibres of Varying Strength and Strain.

Mining by Private Sector

4605. SHRI V. SREENIVASA PRASAD:
SHRI M. V. CHAN-
DRASEKHARA MUR-
THY:
SHRI CHITTA BASU:

Will the Minister of COAL be pleased to state:

(a) whether the Government propose to amend the Coal Nationalisation Act to assign the mining task to private sector;

(b) if so, the details thereof; and

(c) the time by which it is likely to be

implemented?

THE MINISTER OF STATE OF THE MINISTRY OF COAL (SHRIP. A. SANGMA): (a) to (c) Coal mining is at present reserved for Public Sector with the exceptions of Captive mining and consumption by Iron and Steel Industry and mining in small isolated pockets not amenable to economic development and not requiring rail transport.

No decision has been taken to assign mining task to private sector.

Supply of Beneficiated Coal

4606. SHRI V. SREENIVASA PRASAD:
SHRI M. V. CHAN-
DRASEKHARA MUR-
THY:

Will the Minister of COAL be pleased to state:

(a) whether the Government have directed all new coal mines to supply beneficiated coal in view of environmental consideration;

(b) the details of the new coal mines identified by the Government;

(c) whether such type of coal is proposed to be supplied to the Thermal Power Station; and

(d) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF COAL (SHRIP. A. SANGMA): (a) to (d). An Expert Committee set up by the Government had recommended use of beneficiated coal in new thermal power station located more than 1000 Kms. away from the coalfields. This Committee had opined that use of beneficiated coal by such distant power station would be more benefi-